

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A heat-dissipating device, comprising:

a rotor having an impeller, a hub and a shaft;

a base for supporting said rotor;

a magnetic portion, comprising completely aligned magnetic rings coupled to said shaft
and said base for simultaneously generating ~~axially~~ axial and ~~radially~~ radial magnetic forces to
position the shaft; and

a bearing portion coupled to said shaft and said base for supporting said shaft upon
rotation of said shaft;

wherein said magnetic portion and said bearing portion are disposed on an inner side of
said hub.
2. (Currently Amended) The heat-dissipating device according to Claim 1, wherein
said ~~axially~~ axial and ~~radially~~ radial magnetic forces are repulsive magnetic forces or attractive
magnetic forces, respectively.
3. (Previously Presented) The heat-dissipating device according to Claim 1, wherein
said magnetic portion includes an upper magnetic portion and a lower magnetic portion.
4. (Previously Presented) The heat-dissipating device according to Claim 3, wherein
said upper magnetic portion and said lower magnetic portion are disposed symmetrically on two

opposite sides of said bearing portion and include a first magnetic ring, a second magnetic ring and a third magnetic ring, respectively.

5. (Previously Presented) The heat-dissipating device according to Claim 4, wherein said first magnetic ring and said third magnetic ring are coupled to said shaft and said second magnetic ring is connected to said base.

6. (Previously Presented) The heat-dissipating device according to Claim 4, wherein said second magnetic ring and said third magnetic ring are disposed in a radial alignment with each other to have identical poles opposing each other for generating repulsive magnetic field.

7. (Previously Presented) The heat-dissipating device according to Claim 4, wherein said first magnetic ring and said second magnetic ring are disposed in an axial alignment with each other to have identical poles opposing each other for generating repulsive magnetic field.

8. (Previously Presented) The heat-dissipating device according to Claim 3, wherein said upper magnetic portion includes an inner magnetic ring and an outer magnetic ring and said lower magnetic portion includes a first magnetic ring, a second magnetic ring and a third magnetic ring.

9. (Previously Presented) The heat-dissipating device according to Claim 8, wherein said inner magnetic ring and said outer magnetic ring are disposed in a radial alignment with identical poles opposing each other for generating repulsive magnetic field.

10. (Previously Presented) The heat-dissipating device according to Claim 8, wherein said inner magnetic ring and said outer magnetic ring are disposed in a radial alignment with opposite poles opposing each other for generating attractive magnetic field.

11. (Previously Presented) The heat-dissipating device according to Claim 8, wherein said first magnetic ring and said third magnetic ring are coupled to the shaft and said second magnetic ring is connected to said base.

12. (Previously Presented) The heat-dissipating device according to Claim 8, wherein said first magnetic ring, said second magnetic ring and said third magnetic ring are disposed in an axial alignment with identical poles opposing each other for generating axially repulsive magnetic forces.

13. (Previously Presented) The heat-dissipating device according to Claim 8, wherein said first magnetic ring, said second magnetic ring and said third magnetic ring are disposed in an axial alignment with opposite poles opposing each other for generating axially attractive magnetic forces.

14. (Previously Presented) The heat-dissipating device according to Claim 1, wherein said bearing portion is a sleeve bearing.

15. (Currently Amended) A heat-dissipating device, comprising:

- a rotor having an impeller and a shaft;
- a base for supporting said rotor;
- a magnetic portion coupled to said shaft and said base, comprising:
 - a first magnetic portion comprising a first magnetic ring, a second magnetic ring and a third magnetic ring, wherein the first magnetic ring is axially aligned with the second magnetic ring for generating a ~~axially~~ an axial magnetic force between the rings, and the third magnetic ring is radially aligned with the second magnetic ring for generating a ~~radially~~ radial magnetic force between the rings; and
 - a second magnetic portion comprising a first magnetic ring, a second magnetic ring and a third magnetic ring, wherein the first magnetic ring is axially aligned with the second magnetic ring for generating a ~~axially~~ an axial magnetic force between the rings, and the third magnetic ring is radially aligned with the second magnetic ring for generating a ~~radially~~ radial magnetic force between the rings; and
 - a bearing portion coupled to said shaft and said base for supporting said shaft upon rotation of said shaft.

16. (Currently Amended) The heat-dissipating device according to Claim 15, wherein said ~~axially~~ axial and ~~radially~~ radial magnetic forces are repulsive magnetic forces or attractive magnetic forces, respectively.

17. (Previously Presented) The heat-dissipating device according to Claim 15, wherein said first magnetic portion and said second magnetic portion are disposed symmetrically on two opposite sides of said bearing portion, respectively.

18. (Currently Amended) The heat-dissipating device according to Claim 15, wherein said first magnetic ring and said third magnetic ring of both said first and second magnetic portions are connected to said shaft and said second magnetic ring of both said first and second magnetic portions is connected to said base.

19. (Currently Amended) A heat-dissipating device, comprising:
a rotor having an impeller and a shaft;
a base for supporting said rotor;
a magnetic portion coupled to said shaft and said base for generating a ~~radially~~ radial magnetic force and an ~~axially~~ axial magnetic force, wherein said magnetic portion includes a first magnetic portion with two magnetic rings aligned radially for ~~only~~ substantially primarily providing said ~~radially~~ radial magnetic force and a second magnetic portion with three magnetic rings disposed axially for ~~only~~ substantially primarily providing said ~~axially~~ axial magnetic force; and

a bearing portion coupled to said shaft and said base for supporting said shaft upon rotation of said shaft.

20. (Previously Presented) The heat-dissipating device according to Claim 19, wherein said first magnetic portion includes an inner magnetic ring and an outer magnetic ring and said second magnetic portion includes a first magnetic ring, a second magnetic ring and a third magnetic ring.

21. (Previously Presented) The heat-dissipating device according to Claim 20, wherein said first magnetic ring and said third magnetic ring are connected to the shaft and said second magnetic ring is connected to said base.

22. (Previously Presented) The heat-dissipating device according to Claim 20, wherein said inner magnetic ring and said outer magnetic ring are disposed in a radial alignment with identical poles opposing each other for generating repulsive magnetic field.

23. (Previously Presented) The heat-dissipating device according to Claim 20, wherein said first magnetic ring, said second magnetic ring and said third magnetic ring are disposed in an axial alignment with identical poles opposing each other for generating repulsive magnetic field.